

## EAST Search History

| Ref # | Hits | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---------------------------|------------------|---------|------------------|
| L1    | 7538 | (workfunction work adj function) with (metal metallic)                | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/11 14:03 |
| L2    | 3540 | transistor and (workfunction work adj function) with (metal metallic) | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/11 14:04 |
| L3    | 1094 | 2 and (workfunction work adj function) with (gate)                    | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/11 14:04 |
| L4    | 164  | 3 and (workfunction work adj function) with (barrier)                 | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/11 15:43 |
| L5    | 5    | "6696345"   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/11 15:44 |
| L6    | 5    | "6696345"   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/11 15:44 |
| S41   | 1668 | transistor same (workfunction work adj function)                      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/10 15:07 |
| S42   | 1083 | transistor with (workfunction work adj function)                      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/13 10:47 |
| S44   | 784  | S42 and (transistor workfunction work adj function) with oxide        | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/13 10:48 |
| S45   | 132  | S44 and (transistor workfunction work adj function) with barrier      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2006/05/10 15:00 |
| S46   | 132  | S45 and (transistor workfunction work adj function) with barrier      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/13 10:52 |
| S47   | 5    | transistor same (workfunction work adj function) with dominat\$4      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/14 06:23 |
| S48   | 22   | (workfunction work adj function) with dominat\$4                      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/13 16:29 |
| S49   | 1668 | transistor same (workfunction work adj function)                      | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/14 06:22 |
| S50   | 9    | S49 and (workfunction work adj function) with dominat\$4              | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2005/12/14 06:35 |

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|     |      |  |                                 |    |    |                  |
|-----|------|--|---------------------------------|----|----|------------------|
| S51 | 312  | S49 and (workfunction work adj function) with (poly polysilicon) near3 gate                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/12/14 06:36 |
| S55 | 25   | mos with (polysilicon adj gate) with (workfunction work adj function)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/12/14 06:58 |
| S64 | 1852 | transistor same (workfunction work adj function)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 14:59 |
| S65 | 723  | S64 and (metal metallic) near3 (workfunction work adj function)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 15:00 |
| S66 | 216  | S65 and (transistor workfunction work adj function) with barrier                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 15:01 |
| S67 | 21   | S66 and stacked near3 (gate layer)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 15:01 |
| S68 | 278  | (workfunction work adj function).tl.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 16:29 |
| S69 | 7523 | (workfunction work adj function) with (metal metallic)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 16:29 |
| S70 | 5463 | (workfunction work adj function) near3 (metal metallic)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 16:30 |
| S71 | 1110 | (workfunction work adj function) near3 (layer film) with (metal metallic) near3 (layer film)         | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 16:32 |
| S72 | 1110 | S71 and (workfunction work adj function) near3 (layer film) with (metal metallic) near3 (layer film) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 16:32 |
| S73 | 163  | S72 and (workfunction work adj function) with transistor   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/10 16:34 |
| S74 | 4    | S73 and (workfunction work adj function) with dominat\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/11 14:03 |
| S75 | 25   | (workfunction work adj function) with dominat\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/11 08:47 |
| S76 | 2    | 10/710199  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/11 09:34 |

## EAST Search History

|     |   |               |                                 |    |    |                  |
|-----|---|---------------|---------------------------------|----|----|------------------|
| S77 | 1 | "20040178458" | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2006/05/11 09:34 |
|-----|---|---------------|---------------------------------|----|----|------------------|